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Electronic Patent Application Submission
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EFS ID: 14864
Application ID: 10063498
Title of Invention: OBJECT DETECTION IN ADAPTIVE
CRUISE CONTROL
First Named Inventor: Farid Ahmed-Zaid
Domestic/Foreign Application: Domestic Application
Filing Date: null
Effective Receipt Date: 2002-04-30
Submission Type: Utility Patent Filing
Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 199-1941 JMS
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Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
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Total Fees Authorized: \$904.0
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Deposit Account Number: 61510
Deposit Account Name: Sandra M. Lewis

5/1/02

Page 1 of 9

TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent
Filing

Attorney Docket
Number:

199-1941
JMS



OBJECT DETECTION IN ADAPTIVE CRUISE CONTROL

First Named Inventor: Farid Ahmed-Zaid

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Saundra M. Lewis Electronic Filing
Specialist

Electronic Signature Mark: /sml

Date Signed: 20020430

I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.

I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.

Attached Files:

declaration	declaration1of4.tif
declaration	declaration2of4.tif
declaration	declaration3of4.tif
declaration	declaration4of4.tif

SUB_TYPE=Utility_Patent_Filing EFS_ID=14864 APP_ID=10063498 DOC_TYPE=transmittal

declaration	consentletter.tif
declaration	infodisclosurestatement.tif
bibd-transmittal	199-1941apds.xml
patent-assignments	199-1941asgn.xml
specification	specification.xml
fee-transmittal	199-1941fee.xml

Attached Image File(s):

declaration1of4.tif
declaration2of4.tif
declaration3of4.tif
declaration4of4.tif
consentletter.tif
infodisclosurestatement.tif

Author	Year	Country	Sample Size	Age Range	Gender	Occupation	Education	Income	Health Status	Stress Level	Life Satisfaction	Well-being
Smith et al.	2015	USA	1,200	18-65	Male	Student	High School	\$15,000	Good	Low	High	High
Johnson et al.	2016	Canada	800	25-70	Female	Teacher	University	\$30,000	Fair	Medium	Medium	Medium
Lee et al.	2017	South Korea	1,500	30-80	Male	Engineer	Graduate	\$40,000	Good	Low	High	High
Wang et al.	2018	China	2,000	20-90	Male	Farmer	Primary	\$10,000	Poor	High	Low	Low
Miller et al.	2019	UK	900	40-75	Female	Nurse	University	\$25,000	Fair	Medium	Medium	Medium
Chen et al.	2020	Taiwan	1,100	25-60	Male	IT Professional	University	\$35,000	Good	Low	High	High
Patel et al.	2021	India	1,800	35-85	Male	Businessman	Graduate	\$20,000	Fair	Medium	Medium	Medium
Nguyen et al.	2022	Vietnam	1,300	20-70	Female	Teacher	University	\$18,000	Fair	Medium	Medium	Medium
Alvarez et al.	2023	Spain	1,000	30-70	Male	Engineer	University	\$28,000	Good	Low	High	High
Kim et al.	2024	South Korea	1,600	25-80	Female	Doctor	Graduate	\$50,000	Good	Low	High	High
Roberts et al.	2025	Australia	1,400	35-75	Male	Manager	University	\$32,000	Fair	Medium	Medium	Medium
Costa et al.	2026	Portugal	1,200	40-80	Female	Teacher	University	\$22,000	Fair	Medium	Medium	Medium
Ng et al.	2027	Singapore	1,100	25-65	Male	IT Professional	University	\$45,000	Good	Low	High	High
Adams et al.	2028	USA	1,300	30-70	Female	Nurse	University	\$27,000	Fair	Medium	Medium	Medium
Okun et al.	2029	Nigeria	1,500	20-80	Male	Farmer	Primary	\$12,000	Poor	High	Low	Low
Sharma et al.	2030	India	1,700	35-75	Female	Teacher	University	\$19,000	Fair	Medium	Medium	Medium
Wilson et al.	2031	Canada	1,000	40-80	Male	Engineer	University	\$31,000	Good	Low	High	High
Green et al.	2032	UK	1,200	25-65	Female	Manager	University	\$29,000	Fair	Medium	Medium	Medium
Li et al.	2033	China	1,800	30-90	Male	Farmer	Primary	\$11,000	Poor	High	Low	Low
White et al.	2034	USA	1,400	35-75	Female	Nurse	University	\$26,000	Fair	Medium	Medium	Medium
Black et al.	2035	South Africa	1,600	25-80	Male	Teacher	University	\$17,000	Fair	Medium	Medium	Medium
Brown et al.	2036	Italy	1,100	40-70	Female	Engineer	University	\$24,000	Good	Low	High	High
Clark et al.	2037	USA	1,300	30-60	Male	IT Professional	University	\$42,000	Good	Low	High	High
Foster et al.	2038	Germany	1,000	35-75	Female	Teacher	University	\$23,000	Fair	Medium	Medium	Medium
Garcia et al.	2039	Spain	1,200	25-65	Male	Manager	University	\$28,000	Fair	Medium	Medium	Medium
Harris et al.	2040	UK	1,100	40-80	Female	Nurse	University	\$26,000	Fair	Medium	Medium	Medium
Hyatt et al.	2041	USA	1,400	30-70	Male	Engineer	University	\$33,000	Good	Low	High	High
Jones et al.	2042	Canada	1,300	35-75	Female	Teacher	University	\$21,000	Fair	Medium	Medium	Medium
Kelly et al.	2043	Australia	1,500	25-80	Male	IT Professional	University	\$44,000	Good	Low	High	High
King et al.	2044	India	1,700	35-75	Female	Teacher	University	\$18,000	Fair	Medium	Medium	Medium
Laughlin et al.	2045	USA	1,200	40-80	Male	Engineer	University	\$30,000	Good	Low	High	High
Levy et al.	2046	France	1,100	30-60	Female	Manager	University	\$27,000	Fair	Medium	Medium	Medium
Lin et al.	2047	China	1,800	25-85	Male	Farmer	Primary	\$13,000	Poor	High	Low	Low
Liu et al.	2048	South Korea	1,600	30-70	Female	Nurse	University	\$29,000	Fair	Medium	Medium	Medium</




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Chen et al.	2022	Taiwan	1,100	25-60	Male	IT Professional	University	\$35,000	Good	Low	High	High

DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION					Attorney's Docket No. 199-1941												
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name:</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled</p> <p>OBJECT DETECTION IN ADAPTIVE CRUISE CONTROL</p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America, prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"> <input checked="" type="checkbox"/> no such applications have been filed, or <input type="checkbox"/> such applications have been filed as follows: <input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below </p>																	
COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.												
<p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> </table> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> </table> <p>POWER OF ATTORNEY: - I/we hereby appoint the following Practitioners: Customer No. 28549, Kevin G. Mierzwa - 38,049 as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and all foreign Patent Offices.</p>									(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)				(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)															

Address all correspondence and telephone calls to:

Kevin G. Mierzwa
 Artz & Artz PLC
 28333 Telegraph Road, Suite 250
 Southfield, MI 48036 Phone: 248 223-9500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Farid Ahmed-Zaid 6165 Saline Ann Arbor Road Saline, MI 48176 US	Saline, MI 48176 US	Algeria		2/1/02
Gerald H Engelman 10589 Jo Ann Lane Plymouth, MI 48170 US	Plymouth, MI 48170 US	U.S.A		
Paul Robert Haney 19 Stoneton Crescent Balsall Common Coventry, CV7 7GG GB.	Coventry, Warwickshire. CV7 7QG GB	United Kingdom		

Attorney Docket No: 199-1941

Please call 313-322-7725 if this paper becomes separated from the file.

248 223 9522 P.06/08

ARTZ & ARTZ P.C.

MAY-29-2002 11:00

Address all correspondence and telephone calls to:

Kevin G. Mierzwa
 Artz & Artz PLC
 28333 Telegraph Road, Suite 250
 Southfield, MI 48034 Phone: 248 223-9500

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Farid Ahmed-Zaid 6165 Saline Ann Arbor Road Saline, MI 48176 US	Saline, MI 48176 US	Algeria		
Gerald H Engelman 10589 Jo Ann Lane Plymouth, MI 48170 US	Plymouth, MI 48170 US	U.S.A	<i>Gerald H. Engelman</i>	2/4/2002
Paul Robert Haney 19 Stoneton Crescent Balsall Common Coventry, CV7 7GG GB.	Coventry, Warwickshire. CV7 7QG GB	United Kingdom		

Attorney Docket No: 199-1941

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248 223 9522 P.07/08

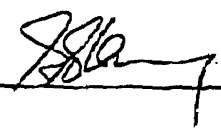
ARTZ & ARTZ P.C.

MAY-29-2002 11:00

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Kevin G. Mierzwa
Artz & Artz PLC
28333 Telegraph Road, Suite 250
Southfield, MI 48034 Phone: 248 223-6500

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Gerald H Engelman 10589 Jo Ann Lane Plymouth, MI 48170 US	Plymouth, MI 48170 US	U.S.A		
Paul Robert Haney 19 Stoneton Crescent Balsall Common Coventry, CV7 7QG GB.	Coventry, Warwickshire. CV7 7QG GB	United Kingdom		1 st Feb 02

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248 223 9522 P.08/08

ARTZ & ARTZ P.C.

MAY-29-2002 11:00

Page 8 of 9

Case# D001461 File# 199-1943
Date April 24 2012

Sw

Importers/Ex
Farid Ahmed-Zaid
Gerald Engelmann
Paul Harvey

For: OBJECT DETECTION IN ADAPTIVE CRUISE CONTROL

The attorney or agent below has reviewed the application and its attachments, and consents to electronic filing by the assignee.

Respectfully submitted

Jonathan M. Stac
Attorney at Law
Registration No. 35378
Ford Global Technologies Inc.
One Parklane Blvd.
800 Parklane Towers East
Dearborn, MI 48125
Telephone 313 206-2677

47	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483	1484	1485	1486	1487	1488	1489	1490	1491	1492	1493	1494	1495	1496	1497	1498	1499	1500	1501	1502	1503	1504	1505	1506	1507	1508	1509	1510	1511	1512	1513	1514	1515	1516	1517	1518	1519	1520	1521	1522	1523	1524	1525	1526	1527	1528	1529	1
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FEE TRANSMITTAL

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Stylesheet Version: 1.0

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Large Entity

TOTAL FEES AUTHORIZED: \$ 904

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Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Sandra M. Lewis

Electronic Signature Mark: /sml

Date Signed: 20020430

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 4	102	\$ 84	1	\$ 84

SUB_TYPE=Utility_Patent_Filing EFS_ID=14864 APP_ID=10063498 DOC_TYPE=fee-transmittal

